Human Systems Integration / SHIPMAIN Certification

Greg L. Maxwell
Human Systems Integration
SEA 03

SEA WARRIOR

Sailor Performance and Professional De

Mission Planning System

Human Systems Integration

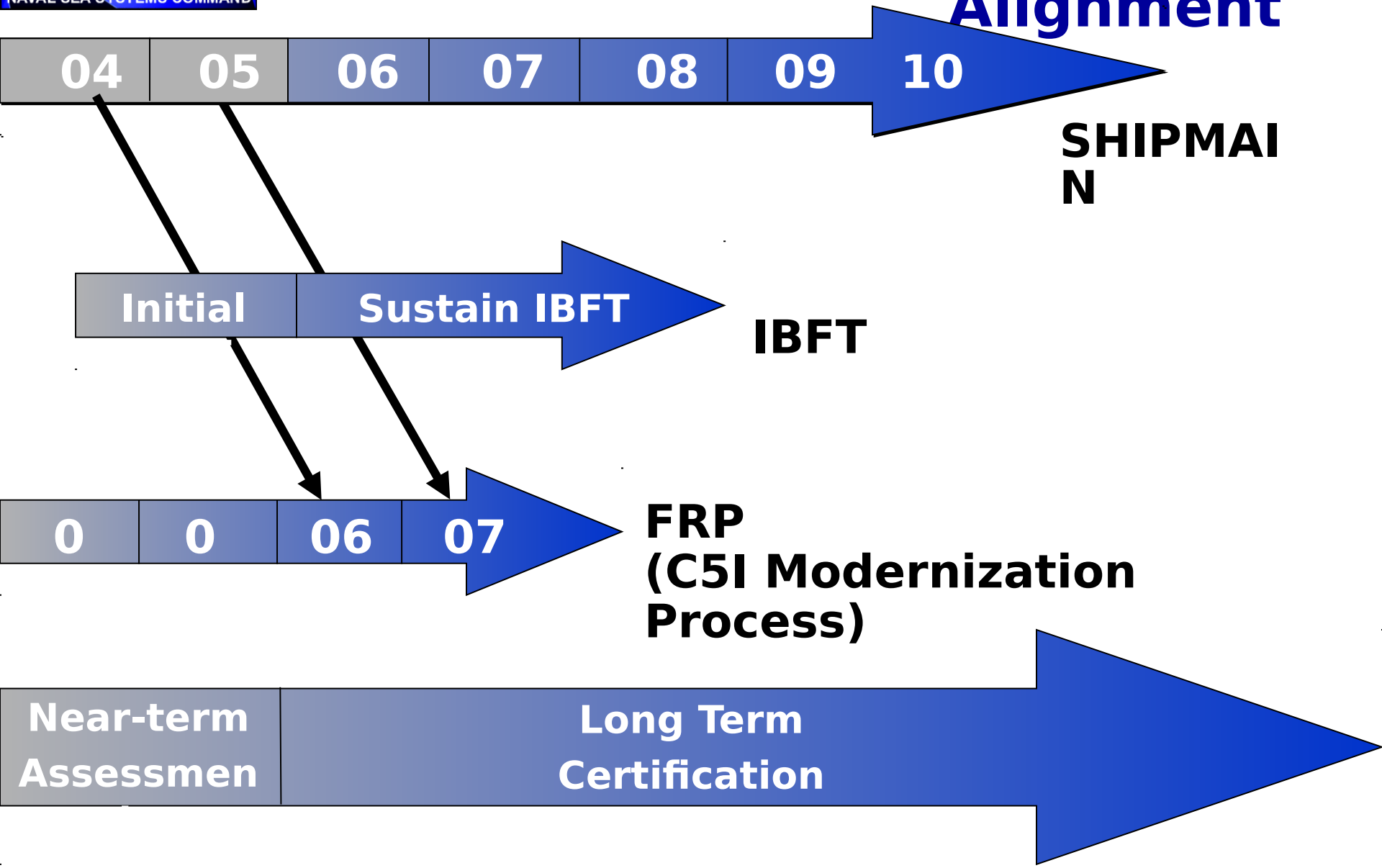
Career Management System

5 Vector Model

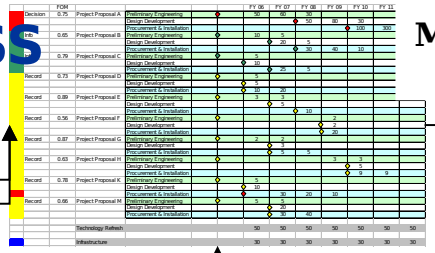
Optimal Sailor Performance

SEA WARRIOR …Sailor performance delivering SEA POWER 21

HSI Certification Authority Alignment



HIPMAIN MODERNIZATION PROCESS



Modernization Plan

ISCPP
ISCP
SPP

Phase I

Phase II

Phase III

Recommendation to MDA

Recommendation to MDA

Recommendation to MDA

Decision Board

Decision Board

Decision Board

MS A

MS B

MS C

Preliminary Engineering

Preliminary Design & Development

Procure and Install

Recommended Change Package (RCP)

Review Cycle

Cost Benefit Analysis

Assign FOM

Technical Assessment

HSI sessment

Repeat Review Cycle

Cost Benefit Analysis

Assign FOM

Technical Assessment

HSI sessment

Repeat Review Cycle

Cost Benefit Analysis

Assign FOM

Technical Assessment

HSI rtification

Modification Proposal

Program Alt

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System Design Effort

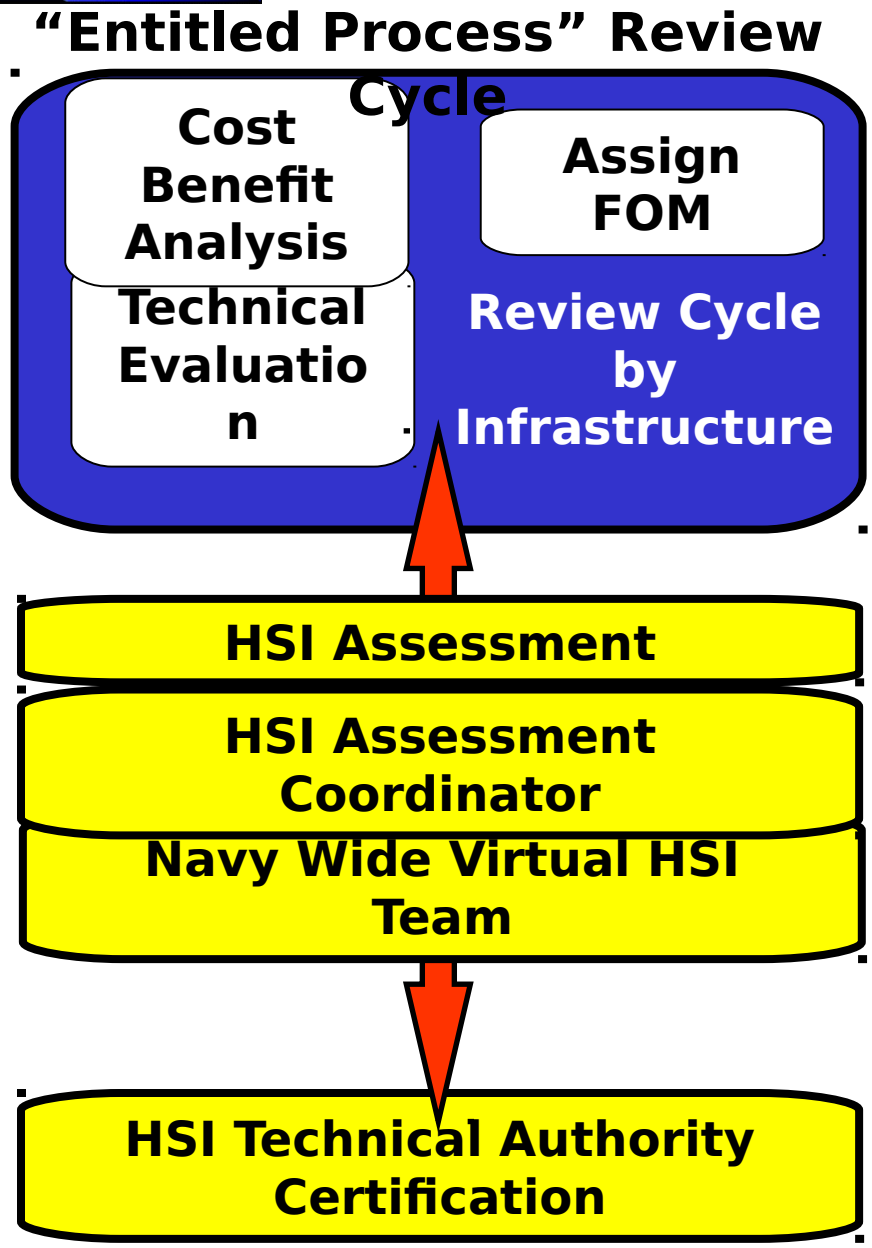
Modification System Performance Specification

System Design Effort

Modification System Detail Specification

Procure & Install

SHIPMAIN HSI Evaluation



HSI v-Team:

- **ASSESS** Impact on Sailor Skills, Workload, and Performance
- **ASSESS** Integration of Hardware, Software, and People

HSI Technical Authority:

- **CERTIFY** System Optimized for Sailor Performance

Results:

- Enhanced Sailor Performance
- Improved Training
- Common Assessment and Certification Process for New Acquisitions and Modernization
- Support for "Culture of